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## DK 7030.440 CMC III sensors

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SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# DK 7030.440 - CMC III sensors

CMC III leak sensor, 15 m

## Features

|  |   |
|--|---|
| Model No.                                    | DK 7030.440   |
| Design                                       | Leak sensor, 15 m   |
| Benefits                                     | Fast connection and automatic detection via plug & play<br>Power is supplied via the CAN-BUS interface.   |
| Applications                                 | Enclosure monitoring in IT, industry and facility management<br>Monitoring of enclosures, rooms and containers in the IT environment  |
| Function principle                           | Settings can be made via the CMC III processing unit or IoT interface<br>The 15-metre long sensor cable is secured to the base.<br>If the sensor cable comes into contact with a conductive liquid, the sensor will report a leak |
| Material                                     | Plastic<br>Front: Smooth<br>Enclosure: Textured   |
| Colour                                       | Front: RAL 9005<br>Enclosure: RAL 7035  |
| Supply includes                              | Sensor<br>Mounting plate<br>Assembly parts<br>Leak sensor<br>Detection cable, 15 m  |
| Connection to the CAN bus                    | Direct  |
| Interfaces                                   | 2 x RJ45 CAN bus<br>Terminal  |
| No. of participants per IoT interface (max.) | 32  |

# Features

|  |  |
|--|--|
| No. of participating PU compact (max.) | 4  |
| No. of participating PU (max.)         | 32   |
| No. of PDU devices (max.)              | 16   |
| Measuring technique                    | Conductivity measurement   |
| Dimensions                             | Width: 110 mm<br>Height: 30 mm<br>Depth: 40 mm   |
| Operating temperature range            | 5 °C...45 °C   |
| Ambient humidity (non-condensing)      | 5...95 %   |
| Packs of                               | 1 pc(s).   |
| Net weight                             | 0.802 kg   |
| Gross weight                           | 1.106 kg   |
| PCF per pack (cradle-to-gate)          | 4.2 kg CO2 eq (Cat B)  |
| Note on PCF category                   | Category B: PCF value (cradle-to-gate) based on the product weight, approximately calculated and self-declared |
| Customs tariff number                  | 85319000   |
| ETIM 9                                 | EC002627   |
| ECLASS 8.0                             | 27189253   |
| Product description                    | DK CMC III Leakage sensor, 15 m, WHD: 110x30x40 mm   |

# Approvals

|              |   |
|--------------|---|
| Explanations | Manufacturer's declaration<br>Declaration of conformity |
|--------------|---|

# Tender text

7030.440

CMC III leak sensor, 15 m, with CAN bus

Packs of 1

Compact plastic housing with ventilated front in RAL 9005.

Housing in RAL 7035,

Sensor cable (RAL 9005) is connected to the connection cable externally via a plug.

The sensor has two RJ45 connections with an integrated CAN bus. The sensor is automatically detected by the CMC III system, the Processing Unit, and is provided with a sequential number in the bus sequence. Integrated multi-colour LED as status display.

The sensor cable has a length of 15 m. If the cable comes into contact with a liquid, a contact between the two internal conductors is closed and a leak is detected.

In the event of leak detection, the sensor also indicates a range of 5 m in which the leakage has been detected. This permits a rough estimation of the location of the leak.

The power supply is ensured by connection to the CAN bus for the Processing Unit.

The warning and alarm messages can be displayed via the software for the CMC III Processing Unit.

Technical specifications - Sensor cable:

Mode of operation: Conductivity monitoring

Rated voltage: 24 V DC

Detection length: 15 m

Length connection cable: 2 m

Technical specifications:

Jack for sensor cable: 1

CAN bus jacks RJ45: 2

Protection category: IP 30 to IEC 60 529

Temperature application range:

0 °C to 55 °C

Humidity range:

5% to 95% relative humidity, non-condensing

WxHxD: 110 x 30 x 40 mm

Included in the pack: Sensor, sensor cable with plug, mounting clips for sensor cable with adhesive, quick reference guide and universal mounting set